SUBJECT: Medicare Contractor Annual Update of the International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM)

I. GENERAL INFORMATION

A. Background:

In 1979, use of ICD-9-CM codes became mandatory for reporting provider services on Form CMS-1450. On April 1, 1989, use of ICD-9-CM codes became mandatory for all physician services submitted on Form CMS-1500. ICD-9-CM codes are updated annually. The CMS sends the ICD-9 Addendum out to the regional offices and Medicare contractors annually.

B. Policy:

This instruction serves as a reminder to Medicare contractors regarding the annual ICD-9-CM coding update for claims processed on or after October 1, 2002. The Addendum containing the new and revised codes is being sent to you as Word documents attached to this instruction.

II. BUSINESS REQUIREMENTS

- use the word “must” to indicate a mandatory action
- use the word “will” to indicate an optional action
- Resp. column is optional

<table>
<thead>
<tr>
<th>Req. #</th>
<th>Requirements</th>
<th>Resp.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td>Medicare systems are required to install and accept new and revised 2002 ICD-9-CM update for claims processed on or after October 1, 2002.</td>
<td>FL &amp; Carrier</td>
</tr>
<tr>
<td>1.2</td>
<td>For those carriers that process claims on the Multi-Carrier System (MCS) effective for claims processed on or after October 1, 2002, MCS must be able to edit for the validity of diagnosis codes based on the date of service of the procedure code to which the diagnosis is correlated. Refer to Transmittal B-02-027, dated April 26, 2002 for more information.</td>
<td>Carrier</td>
</tr>
<tr>
<td>1.3</td>
<td>Medicare systems must accept both the old and new ICD-9-CM codes for dates of service October 1, 2002 through December 31, 2002.</td>
<td>Carrier</td>
</tr>
<tr>
<td>1.4</td>
<td>VMS will process by date of service in the future. Until then process the new ICD-9 update as in the past effective October 1, 2002.</td>
<td>Carrier</td>
</tr>
<tr>
<td>1.5</td>
<td>Effective October 1, 2002, HPBSS should install and process claims using the new ICD-9 update as in the past.</td>
<td>Carrier</td>
</tr>
</tbody>
</table>
III. SUPPORTING INFORMATION AND POSSIBLE DESIGN CONSIDERATIONS

A. Other Instructions:

<table>
<thead>
<tr>
<th>X-Ref Req. #</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td>Medicare carriers must post a notice on their Website that reminds providers that they can begin to use the revised/new ICD-9-CM codes for claims submitted on or after October 1, 2002. Include the following new CMS Web site address that contains the new, revised and deleted ICD-9-CM codes. CMS has posted these codes on the Web as a courtesy for providers. The address is <a href="http://www.cms.hhs.gov/medlearn/icd9code.asp">http://www.cms.hhs.gov/medlearn/icd9code.asp</a></td>
</tr>
<tr>
<td>1.1</td>
<td>In the same Web notice Medicare carriers should include information explaining the options available to providers for obtaining the updated ICD-9-CM codes.</td>
</tr>
<tr>
<td>1.1</td>
<td>Also in the same notice, Medicare carriers should emphasize the importance for providers to use the most recent version of the ICD-9-CM coding book and to code to the highest level of specificity.</td>
</tr>
<tr>
<td>1.2</td>
<td>Carriers using MCS system should educate providers that the diagnosis on the claim should be the diagnosis that was valid at the time the procedure was performed.</td>
</tr>
<tr>
<td>1.1</td>
<td>Medicare intermediaries must use their Web site to remind providers that they can begin to use the revised/new ICD-9-CM codes for claims submitted on or after October 1, 2002.</td>
</tr>
<tr>
<td>1.1</td>
<td>In the Web notice, Medicare intermediaries must encourage/remind hospitals to send a copy to the director of medical records.</td>
</tr>
<tr>
<td>1.1</td>
<td>Medicare intermediaries must handle questions on the operation of GROUPER, MCE and OCE in accordance with regular procedures.</td>
</tr>
<tr>
<td>1.1</td>
<td>For diagnosis coding questions, Medicare intermediaries must contact Donna Pickett or Amy Blum at 301-458-4200 at the National Center for Health Statistics.</td>
</tr>
<tr>
<td>1.1</td>
<td>For procedure coding questions, Medicare intermediaries must contact Pat Brooks at 410-786-5318, Ann Fagan at 410-786-5662 or Amy Gruber at 410-786-1542, CMS Division of Acute Care.</td>
</tr>
</tbody>
</table>

B. Design Considerations:

<table>
<thead>
<tr>
<th>X-Ref Req. #</th>
<th>Recommendation for Medicare System Requirements</th>
</tr>
</thead>
</table>

C. Interfaces: Grouper v20.0, Medicare Code Editor v19.0, and Outpatient Code Editor v3.2

D. Contractor Financial Reporting /Workload Impact:

E. Dependencies: The Addendum is being sent as an attachment to this instruction.

IV. Attachment(s) 3 Volumes

<table>
<thead>
<tr>
<th>Version:</th>
<th>Implementation Date: October 1, 2002</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Discard Date: October 1, 2003</td>
</tr>
<tr>
<td></td>
<td>Effective Date: October 1, 2002</td>
</tr>
<tr>
<td></td>
<td>Funding: Within Current Operating Budget</td>
</tr>
<tr>
<td></td>
<td>Pre-Implementation Contact: Pat Gill for Part B (6-1297) and Barbara Strickland for Part A (6-0508)</td>
</tr>
<tr>
<td></td>
<td>Post-Implementation Contact: Appropriate Regional Office</td>
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</table>
FY 2003 Final Addenda
ICD-9-CM Volume 3, Procedures
Effective October 1, 2002

Tabular List

New chapter  
00  Procedures and interventions, Not Elsewhere Classified

New subcategory 00.0 Therapeutic ultrasound

New code 00.01 Therapeutic ultrasound of vessels of head and neck
  Anti-restenotic ultrasound
  Intravascular non-ablative ultrasound

  Excludes: diagnostic ultrasound of:
  eye (95.13)
  head and neck (88.71)
  that of inner ear (20.79)
  ultrasonic:
  angioplasty of non-coronary vessel (39.50)
  embolectomy (38.01, 38.02)
  endarterectomy (38.11, 38.12)
  thrombectomy (38.01, 38.02)

New code 00.02 Therapeutic ultrasound of heart
  Anti-restenotic ultrasound
  Intravascular non-ablative ultrasound

  Excludes: diagnostic ultrasound of heart (88.72)
  ultrasonic ablation of heart lesion (37.34)
  ultrasonic angioplasty of coronary vessels (36.01, 36.02, 36.05, 36.09)

New code 00.03 Therapeutic ultrasound of peripheral vascular vessels
  Anti-restenotic ultrasound
  Intravascular non-ablative ultrasound

  Excludes: diagnostic ultrasound of peripheral vascular system (88.77)
  ultrasonic angioplasty of:
  non-coronary vessel (39.50)
New code  00.09  Other therapeutic ultrasound

Excludes: ultrasonic:
  fragmentation of urinary stones (59.95)
  percutaneous nephrostomy with fragmentation (55.04)
  physical therapy (93.35)
  transurethral guided laser induced prostatectomy (TULIP) (60.21)

New subcategory  00.1  Pharmaceuticals

New code  00.10  Implantation of chemotherapeutic agent
  Brain wafer chemotherapy
  Interstitial/ intracavitary

Excludes: injection or infusion of cancer chemotherapeutic substance (99.25)

New code  00.11  Infusion of drotrecogin alfa (activated)
  Infusion of recombinant protein

New code  00.12  Administration of inhaled nitric oxide
  Nitric oxide therapy

New code  00.13  Injection or infusion of nesiritide
  Human B-type natriuretic peptide (hBNP)

New code  00.14  Injection or infusion of oxazolidinone class of antibiotics
  Linezolid injection

New subcategory  00.5  Other cardiovascular procedures

New code  00.50  Implantation of cardiac resynchronization pacemaker
  without mention of defibrillation, total system [CRT-P]
  Biventricular pacing without internal cardiac defibrillator

Implantation of cardiac resynchronization (biventricular) pulse generator pacing device, formation of pocket, transvenous leads including placement of lead into left ventricular coronary venous system, and intraoperative procedures for evaluation of lead signals.
New code 00.51 Implantation of cardiac resynchronization defibrillator, total system [CRT-D]

Biventricular pacing with internal cardiac defibrillator

Implantation of a cardiac resynchronization (biventricular) pulse generator with defibrillator [AICD], formation of pocket, transvenous leads, including placement of lead into left ventricular coronary venous system, intraoperative procedures for evaluation of lead signals, and obtaining defibrillator threshold measurements.

Excludes: implantation of cardiac resynchronization pacemaker, total system [CRT-P](00.50)

implantation or replacement of automatic cardioverter/defibrillator, total system [AICD] (37.94)

replacement of cardiac resynchronization defibrillator pulse generator, only [CRT-D](00.54)

New code 00.52 Implantation or replacement of transvenous lead [electrode] into left ventricular coronary venous system

Excludes: implantation of cardiac resynchronization defibrillator, total system [CRT-D](00.51)

implantation of cardiac resynchronization pacemaker, total system [CRT-P](00.50)
initial insertion of transvenous lead [electrode] (37.70-37.72)
replacement of transvenous atrial and/or ventricular lead(s) [electrodes] (37.76)

New code 00.53 Implantation or replacement of cardiac resynchronization pacemaker pulse generator only [CRT-P]

Implantation of CRT-P device with removal of any existing CRT-P or other pacemaker device

Excludes: implantation of cardiac resynchronization pacemaker, total system [CRT-P] (00.50)
implantation or replacement of cardiac resynchronization defibrillator pulse generator only [CRT-D](00.54)
insertion or replacement of any type pacemaker device (37.80-37.87)

New code 00.54 Implantation or replacement of cardiac resynchronization defibrillator pulse generator device only [CRT-D]

Implantation of CRT-D device with removal of any existing CRT-D, CRT-P, pacemaker, or defibrillator device

Excludes: implantation of automatic cardioverter/defibrillator pulse generator only (37.96)
implantation of cardiac resynchronization defibrillator, total system [CRT-D] (00.51)
implantation or replacement of cardiac resynchronization pacemaker pulse generator only [CRT-P] (00.53)

New code 00.55 Insertion of drug-eluting non-coronary artery stent(s)
Endograft(s)
Endovascular graft(s)
Stent grafts

Code also any non-coronary angioplasty or atherectomy (39.50)
Excludes: drug-coated stents, e.g., heparin coated (39.90)
insertion of drug-eluting coronary artery stent
(36.07)
insertion of non-drug-eluting stent(s):
coronary artery (36.06)
non-coronary artery (39.90)
that for aneurysm repair (39.71 - 39.79)

Revise code title 02.41 Irrigation and exploration of ventricular shunt
Add inclusion term Exploration of ventriculoperitoneal shunt at ventricular site

03 Operations on spinal cord and spinal canal structures
Add code also Code also any application or administration of an adhesion barrier substance (99.77)

03.09 Other exploration and decompression of spinal canal
Add inclusion term Expansile laminoplasty

04.2 Destruction of cranial and peripheral nerves
Add inclusion term Radiofrequency ablation

33.24 Closed [endoscopic] biopsy of bronchus
Add inclusion term Diagnostic bronchoalveolar lavage (BAL)
Add exclusion term Excludes: whole lung lavage (33.99)

33.99 Other operations on lung
Add inclusion term Whole lung lavage

Revise code 36.06 Insertion of non-drug-eluting coronary artery stent(s)
Add inclusion term Bare stent(s)
Add inclusion term Bonded stent(s)
Add inclusion term Drug-coated stent(s), i.e. heparin coated
Add inclusion term Endograft(s)
Add inclusion term Endovascular graft(s)
Revise inclusion term Stent graft(s)
Add exclusion term  

Excludes: insertion of drug-eluting coronary artery stent(s) (36.07)

New code

36.07 Insertion of drug-eluting coronary artery stent(s)
   Endograft(s)
   Endovascular graft(s)
   Stent graft(s)

   Code also any:
   open chest coronary artery angioplasty (36.03)
   percutaneous transluminal coronary angioplasty [PTCA] or coronary atherectomy (36.01, 36.02, 36.05)

   Excludes: drug-coated stents, e.g., heparin coated (36.06)
   insertion of non-drug-eluting coronary artery stent(s) (36.06)

Add inclusion term

37.26 Cardiac electrophysiologic stimulation and recording studies
   Non-invasive programmed electrical stimulation (NIPS)

37.7 Insertion, revision, replacement, and removal of pacemaker leads; insertion of temporary pacemaker system; or revision of pocket

Add exclusion term  

Excludes: implantation or replacement of transvenous lead [electrode] into left ventricular cardiac venous system (00.52)

37.79 Revision or relocation of pacemaker pocket

Revise inclusion term  

Relocation of pocket [creation of new pocket] \ pacemaker or CRT-P

37.8 Insertion, replacement, removal, and revision of pacemaker device

Add exclusion term  

Excludes: implantation of cardiac resynchronization pacemaker (CRT-P) [00.50]

Add exclusion term  

implantation or replacement of cardiac resynchronization pacemaker pulse generator only [CRT-P] (00.53)

37.89 Revision or removal of pacemaker device

Add inclusion term  

Removal without replacement of cardiac
Add exclusion term

Excludes: replacement of existing pacemaker device with CRT-P pacemaker device (00.53)

37.94 Implantation or replacement of automatic cardioverter/defibrillator, total system [AICD]

Add exclusion term

Excludes: implantation of cardiac resynchronization defibrillator, total system [CRT-D] (00.51)

37.96 Implantation of automatic cardioverter/defibrillator pulse generator only

Add exclusion term

Excludes: implantation or replacement of cardiac resynchronization defibrillator, pulse generator device only [CRT-D] (00.54)

37.98 Replacement of automatic cardioverter/defibrillator pulse generator only

Add exclusion term

Excludes: replacement of cardiac resynchronization defibrillator, pulse generator device only [CRT-D] (00.54)

37.99 Other

Add inclusion term

Removal without replacement of cardiac resynchronization defibrillator device [CRT-D]

Add inclusion term

Revision or relocation of CRT-D pocket

38 Incision, excision, and occlusion of vessels

Add code also

Code also any application or administration of an adhesion barrier substance (99.77)

38.9 Puncture of vessel

Revise exclusion term

Excludes: that for circulatory monitoring (89.640-89.69)

39.53 Repair of arteriovenous fistula

Revise exclusion term

Excludes: repair of:

Revise exclusion term

arteriovenous shunt for renal dialysis (39.42)

Add exclusion term

head and neck vessels, endovascular approach (39.72)
New code 39.72 Endovascular repair or occlusion of head and neck vessels
Coil embolization or occlusion
Endograft(s)
Endovascular graft(s)
Liquid tissue adhesive (glue) embolization or occlusion
Other implant or substance for repair, embolization or occlusion
That for repair of aneurysm, arteriovenous malformation [AVM] or fistula

Revise code 39.79 Other endovascular graft repair of aneurysm of other vessels

Delete inclusion term Implantation of graft in:
lower extremity artery(s):
eeliac
femoral
hepatic
iliac
mesenteric
popliteal
renal
splenic
tibial
thoracic aorta
upper extremity artery(s):
axillary
brachial
brachiocephalic
carotid
radial
ulnar

Stent graft(s)

Add inclusion term Coil embolization or occlusion
Add inclusion term Endograft(s)
Add inclusion term Endovascular graft(s)
Add inclusion term Liquid tissue adhesive (glue) embolization or occlusion
Add inclusion term Other implant or substance for repair, embolization or occlusion

Add exclusion term Excludes: endovascular repair or occlusion of head and neck vessels (39.72)
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>39.90</td>
<td>Insertion of non-drug-eluting, non-coronary artery stent(s) or stents</td>
</tr>
<tr>
<td>Add inclusion term</td>
<td>Bare stent(s)</td>
</tr>
<tr>
<td>Add inclusion term</td>
<td>Bonded stent(s)</td>
</tr>
<tr>
<td>Add inclusion term</td>
<td>Drug-coated stent(s), i.e., heparin coated</td>
</tr>
<tr>
<td>Add inclusion term</td>
<td>Endograft(s)</td>
</tr>
<tr>
<td>Add inclusion term</td>
<td>Endovascular graft(s)</td>
</tr>
<tr>
<td>Add exclusion term</td>
<td>Excludes: insertion of drug-eluting, non-coronary artery stent(s) (00.55)</td>
</tr>
<tr>
<td>41.4</td>
<td>Excision or destruction of lesion or tissue of spleen</td>
</tr>
<tr>
<td>Add code also</td>
<td>Code also any application or administration of an adhesion barrier substance (99.77)</td>
</tr>
<tr>
<td>41.5</td>
<td>Total splenectomy</td>
</tr>
<tr>
<td>Add code also</td>
<td>Code also any application or administration of an adhesion barrier substance (99.77)</td>
</tr>
<tr>
<td>41.9</td>
<td>Other operations on spleen and bone marrow</td>
</tr>
<tr>
<td>Add code also</td>
<td>Code also any application or administration of an adhesion barrier substance (99.77)</td>
</tr>
<tr>
<td>43</td>
<td>Incision and excision of stomach</td>
</tr>
<tr>
<td>Add code also</td>
<td>Code also any application or administration of an adhesion barrier substance (99.77)</td>
</tr>
<tr>
<td>44</td>
<td>Other operations on stomach</td>
</tr>
<tr>
<td>Add code also</td>
<td>Code also any application or administration of an adhesion barrier substance (99.77)</td>
</tr>
<tr>
<td>44.32</td>
<td>Percutaneous [endoscopic] gastrojejunostomy</td>
</tr>
<tr>
<td>Add inclusion term</td>
<td>Endoscopic conversion of gastrostomy to jejunostomy</td>
</tr>
</tbody>
</table>
45 Incision, excision, and anastomosis of intestine
   Add code also
   Code also any application or administration of an adhesion barrier substance (99.77)

46 Other operations on intestine
   Add code also
   Code also any application or administration of an adhesion barrier substance (99.77)

46.32 Percutaneous [endoscopic] jejunostomy
   Delete inclusion term
   Endoscopic conversion of gastrostomy to jejunostomy

46.79 Other repair of intestine
   Add inclusion term
   Duodenoplasty

47 Operations on appendix
   Add code also
   Code also any application or administration of an adhesion barrier substance (99.77)

48 Operations on rectum, rectosigmoid, and perirectal tissue
   Add code also
   Code also any application or administration of an adhesion barrier substance (99.77)

49 Operations on anus
   Add code also
   Code also any application or administration of an adhesion barrier substance (99.77)

New code 49.75 Implantation or revision of artificial anal sphincter
   Removal with subsequent replacement
   Replacement during same or subsequent operative episode

New code 49.76 Removal of artificial anal sphincter
   Explantation or removal without replacement

   Excludes: revision with implantation during same operative episode (49.75)
50 Operations on liver
Add code also Code also any application or administration of an adhesion barrier substance (99.77)

51 Operations on gallbladder and biliary tract
Add code also Code also any application or administration of an adhesion barrier substance (99.77)

51.01 Percutaneous aspiration of gallbladder
Add inclusion term Percutaneous cholecystotomy for drainage
Add inclusion term That by: needle or catheter

51.37 Anastomosis of hepatic duct to gastrointestinal tract
Add inclusion term Kasai portoenterostomy

52 Operations on pancreas
Add code also Code also any application or administration of an adhesion barrier substance (99.77)

53 Repair of hernia
Add code also Code also any application or administration of an adhesion barrier substance (99.77)

54 Other operations on abdominal region
Add code also Code also any application or administration of an adhesion barrier substance (99.77)

54.95 Incision of peritoneum
Add inclusion term Exploration of ventriculoperitoneal shunt at peritoneal site

55 Operations on kidney
Add code also Code also any application or administration of an adhesion barrier substance (99.77)

56 Operations on ureter
Add code also Code also any application or administration of an
adhesion barrier substance (99.77)

57  Operations on urinary bladder
Add code also  Code also any application or administration of an adhesion barrier substance (99.77)

58  Operations on urethra
Add code also  Code also any application or administration of an adhesion barrier substance (99.77)

59  Other operations on urinary tract
Add code also  Code also any application or administration of an adhesion barrier substance (99.77)

60  Operations on prostate and seminal vesicles
Add code also  Code also any application or administration of an adhesion barrier substance (99.77)

65  Operations on ovary
Add code also  Code also any application or administration of an adhesion barrier substance (99.77)

66  Operations on fallopian tubes
Add code also  Code also any application or administration of an adhesion barrier substance (99.77)

67  Operations on cervix
Add code also  Code also any application or administration of an adhesion barrier substance (99.77)

68  Other incision and excision of uterus
Add code also  Code also any application or administration of an adhesion barrier substance (99.77)

69  Other operations on uterus and supporting structures
Add code also  Code also any application or administration of an adhesion barrier substance (99.77)
70 Operations on vagina and cul-de-sac
Add code also
Code also any application or administration of an adhesion barrier substance (99.77)

71 Operations on vulva and perineum
Add code also
Code also any application or administration of an adhesion barrier substance (99.77)

81.0 Spinal fusion
Add code also
Code also any 360 degree spinal fusion by a single incision (81.61)
Add code also
Code also any insertion of interbody spinal fusion device (84.51)
Add code also
Code also any insertion of recombinant bone morphogenetic protein (84.52)

81.3 Refusion of spine
Add inclusion term Includes: arthrodesis of spine with:
Add inclusion term bone graft
Add inclusion term internal fixation
Add code also
Code also any 360 degree spinal refusion by a single incision (81.61)
Add code also
Code also any insertion of interbody spinal fusion device (84.51)
Add code also
Code also any insertion of recombinant bone morphogenetic protein (84.52)

New category 81.6 Other procedures on spine

New code 81.61 360 degree spinal fusion, single incision approach
That by a single incision but fusing or refusing both anterior and posterior spine
Code also refusion of spine (81.30 -81.39)
Code also spinal fusion (81.00 – 81.08)

New category 84.5 Implantation of other musculoskeletal devices and substances

New code 84.51 Insertion of interbody spinal fusion device
Insertion of cages (carbon, ceramic, metal, plastic or titanium)
interbody fusion cage
synthetic cages or spacers
threaded bone dowels

Code also refusion of spine (81.30 – 81.39)
Code also spinal fusion (81.00 – 81.08)

New code  84.52 Insertion of recombinant bone morphogenetic protein
rhBMP
That via collagen sponge, coral, ceramic and other carriers
Code also primary procedure performed:
fracture repair - (79.00-79.99)
spinal fusion (81.00 - 81.08)
spinal refusion (81.30 - 81.39)

86.28 Nonexcisional debridement of wound, infection, or burn
Add inclusion term Maggot therapy

86.65 Heterograft to skin
Add exclusion term Excludes: application of dressing only (93.57)

88.7 Diagnostic ultrasound
Add exclusion term Excludes: therapeutic ultrasound (00.01 -00.09)

88.91 Magnetic resonance imaging of brain and brain stem
Add exclusion term Excludes: intraoperative magnetic resonance imaging (88.96)
real-time magnetic resonance imaging (88.96)

New code  88.96 Other intraoperative magnetic resonance imaging
iMRI
Real-time magnetic resonance imaging

New code  89.60 Continuous intra-arterial blood gas monitoring
Insertion of blood gas monitoring system and continuous
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>89.65</td>
<td>Measurement of systemic arterial blood gases</td>
<td>Excludes: continuous intra-arterial blood gas monitoring (89.60)</td>
</tr>
<tr>
<td>93.57</td>
<td>Application of other wound dressing</td>
<td>Porcine wound dressing</td>
</tr>
<tr>
<td>93.98</td>
<td>Other control of atmospheric pressure and composition</td>
<td>Nitric oxide therapy</td>
</tr>
<tr>
<td></td>
<td>Delete inclusion term</td>
<td>Nitric oxide therapy (INO) (00.12)</td>
</tr>
<tr>
<td></td>
<td>Add exclusion term</td>
<td>Excludes: inhaled nitric oxide therapy (INO) (00.12)</td>
</tr>
<tr>
<td>96.56</td>
<td>Other lavage of bronchus and trachea</td>
<td>Excludes: diagnostic bronchoalveolar lavage (BAL) (33.24)</td>
</tr>
<tr>
<td></td>
<td>Add exclusion term</td>
<td>Excludes: diagnostic bronchoalveolar lavage (BAL) (33.24)</td>
</tr>
<tr>
<td></td>
<td>Add exclusion term</td>
<td>whole lung lavage (33.99)</td>
</tr>
<tr>
<td>99.19</td>
<td>Injection of anticoagulant</td>
<td>Excludes: infusion of drotrecogin alfa (activated) (00.11)</td>
</tr>
<tr>
<td>99.21</td>
<td>Injection of antibiotic</td>
<td>Excludes: injection or infusion of oxazolidinone class of antibiotics (00.14)</td>
</tr>
<tr>
<td>99.22</td>
<td>Injection of other anti-infective</td>
<td>Excludes: injection or infusion of oxazolidinone class of antibiotics (00.14)</td>
</tr>
<tr>
<td>99.25</td>
<td>Injection or infusion of cancer chemotherapeutic substance</td>
<td>Implantation of chemotherapeutic agent (00.10)</td>
</tr>
<tr>
<td>99.28</td>
<td>Injection or infusion of biological response modifier [BRM] as an antineoplastic agent</td>
<td></td>
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</tbody>
</table>
Add inclusion term High-dose interleukin-2 (IL-2) therapy
Add inclusion term Interleukin therapy

99.29 Injection or infusion of other therapeutic or prophylactic substance
Excludes:
Add exclusion term injection or infusion of human B-type natriuretic peptide (hBNP) (00.13)
Add exclusion term injection or infusion of nesiritide (00.13)

99.71 Therapeutic plasmapheresis
Add exclusion term Excludes: extracorporeal immunoadsorption [ECI] 99.76

New code 99.76 Extracorporeal immunoadsorption
Removal of antibodies from plasma with protein A columns

New code 99.77 Application or administration of adhesion barrier substance

99.99 Other
Add inclusion term Leech therapy

Index

Administration (of) – see also injection
Add subterm adhesion barrier substance 99.77
Add subterm inhaled nitric oxide 00.12

Application
Revise subterm adhesion barrier gel substance 99.29 99.77
Add subterm barrier substance, adhesion 99.77
Add subterm bone morphogenetic protein (recombinant)(rhBMP) 84.52
Add subterm substance, adhesion barrier 99.77

Chemotherapy – see also Immunotherapy
for cancer NEC 99.25
Add subterm brain wafer implantation 00.10
Add subterm implantation of chemotherapeutic agent 00.10
Add subterm interstitial implantation 00.10
Add subterm intracavitary implantation 00.10
Add subterm wafer chemotherapy 00.10
Cholecystotomy 51.04
Add subterm percutaneous 51.01

Conversion
Change code gastrostomy to jejunostomy (endoscopic) 46.32 44.32

Add term Duodenoplasty 46.79

Embolization (transcatheter)
Add subterm adhesive (glue) 39.79
Add subterm head and neck 39.72
Add subterm arteriovenous fistula 39.53
Add subterm endovascular 39.72
Add subterm artery (selective) 38.80
Add subterm endovascular approach 39.79
Add subterm head and neck vessels 39.72
Add subterm AVM, intracranial, endovascular approach 39.72
Add subterm chemoembolization 99.25
Add subterm coil, endovascular 39.79
Add subterm head and neck 39.72
Add subterm vein (selective) 38.80
Add subterm endovascular approach 39.79
Add subterm head and neck 39.72

Exploration – see also Incision
Add subterm shunt
Add subterm ventriculoperitoneal at
Add subterm peritoneal site 54.95
Add subterm ventricular site 02.41

Fusion
spinal (with graft)(with internal fixation)(with instrumentation) 81.00
Add subterm 360 degree 81.61
Imaging (diagnostic)
Add subterm  intraoperative (iMRI) 88.96
magnetic resonance (nuclear) (proton) NEC 88.97
brain (brain stem) 88.91
Add subterm  intraoperative (iMRI) 88.96
Add subterm  real-time 88.96

Add term  Immunoadsorption
Add subterm  extracorporeal (ECI) 99.76

Implant, implantation
Add subterm  bone morphogenetic protein (recombinant) (rhBMP) 84.52
Add subterm  cardiac resynchronization device
Add subterm  defibrillator (CRT-D) (total system) 00.51
Add subterm  left ventricular coronary venous lead only 00.52
Add subterm  pulse generator only 00.54
Add subterm  pacemaker (CRT-P) (total system) 00.50
Add subterm  left ventricular coronary venous lead only 00.52
Add subterm  pulse generator only 00.53
Add subterm  CRT-D (cardiac resynchronization defibrillator) 00.51
Add subterm  left ventricular coronary venous lead only 00.52
Add subterm  pulse generator only 00.54
Add subterm  CRT-P (cardiac resynchronization pacemaker) 00.50
Add subterm  left ventricular coronary venous lead only 00.52
Add subterm  pulse generator only 00.53

electrode(s)
cardiac (initial) (transvenous) 37.70
Add subterm  left ventricular coronary venous system 00.52

pacemaker
cardiac (device) (initial) (permanent) (replacement) 37.80
Add subterm  resynchronization device (CRT-P)
Add subterm  device only (initial) (replacement) 00.53
Add subterm  total system 00.50
Add subterm  transvenous lead into left ventricular coronary venous system 00.52

Infusion (intra-arterial) (intravenous)
Add subterm  antibiotic

18
Add subterm  oxazolidinone class 00.14
antineoplastic agent (chemotherapeutic) 99.25
Add subterm  high-dose interleukin-2 99.28
biological response modifier [BRM], antineoplastic agent 99.28
Add subterm  high-dose interleukin-2 99.28
drotrecogin alfa (activated) 00.11
Add subterm  human B-type natriuretic peptide (hBNP) 00.13
Add subterm  nesiritide 00.13
Add subterm  recombinant protein 00.11

Injection (into) (hypodermically) (intramuscularly) (intravenously)
(acting locally or systemically)
Revise subterm  adhesion barrier gel 99.29
substance 99.77
antibiotic 99.21
Add subterm  oxazolidinone class 00.14
antineoplastic agent (chemotherapeutic) NEC 99.25
Add subterm  high-dose interleukin-2 99.28
Revise subterm  barrier gel substance, adhesion 99.29 99.77
biological response modifier [BRM], antineoplastic agent 99.28
Add subterm  high-dose interleukin-2 99.28
Revise subterm  gel, adhesion barrier – see Injection,adhesion barrier substance
Add subterm  human B-type natriuretic peptide (hBNP) 00.13
Add subterm  nesiritide 00.13

Insertion
Add subterm  bone morphogenetic protein (recombinant) (rhBMP) 84.52
Add subterm  cardiac resynchronization device
defibrillator (CRT-D) (total system) 00.51
Add subterm  left ventricular coronary venous lead only 00.52
Add subterm  pulse generator only 00.54
Add subterm  pacemaker (CRT-P) (total system) 00.50
Add subterm  left ventricular coronary venous lead only 00.52
Add subterm  pulse generator only 00.53
Add subterm  CRT-D (cardiac resynchronization defibrillator) 00.51
Add subterm  CRT-P (cardiac resynchronization pacemaker) 00.50
Add subterm  left ventricular coronary venous lead only 00.50
Add subterm  left ventricular coronary venous system 00.52
Add subterm   pulse generator only 00.53

electrode (s)
heart (initial) (transvenous) 37.70
Add subterm  left ventricular coronary venous system 00.52
Add subterm endograft(s), endovascular graft(s)
Add subterm endovascular, head and neck vessels 39.72
Add subterm endovascular, other vessels (for aneurysm) 39.79

Add subterm intra-arterial blood gas monitoring system 89.60

Add subterm nasogastric tube
Add subterm for
Add subterm decompression, intestinal 96.07
Add subterm feeding 96.6

Add subterm naso-intestinal tube 96.08

pacemaker
    cardiac (device) (initial) (permanent)(replacement) 37.80
Add subterm resynchronization (CRT-P) (device)
Add subterm device only (initial) (replacement) 00.53
Add subterm total system 00.50
Add subterm transvenous lead into left ventricular coronary venous system 00.52

Add subterm sensor
Add subterm intra-arterial, for continuous blood gas monitoring 89.60

spacer (cement) in joint – see category 80.0
Add subterm spine 84.51

Add subterm spine
Add subterm cage (BAK) 84.51
Add subterm spacer 84.51

stent(s) (stent graft)
Add subterm artery (bare) (bonded) (drug coated) (non-drug-eluting) 39.90
Add subterm coronary (bare) (bonded) (drug coated) (non-drug-eluting) 36.06
Add subterm drug-eluting 36.07
Add subterm non-coronary vessel 39.90
Add subterm drug-eluting 00.55

tube – see also Catheterization and Intubation
Add subterm naso-intestinal 96.08
Intubation – see also Catheterization and Insertion

Add subterm
naso-intestinal 96.08

Add term
Kasai portoenterostomy 51.37

Add term
Laminoplasty, expansile 03.09

Lavage
bronchus NEC 96.56

Add subterm
diagnostic (endoscopic) bronchoalveolar lavage (BAL) 33.24

Add subterm
lung (total)(whole) 33.99

Add subterm
diagnostic (endoscopic) bronchoalveolar lavage (BAL) 33.24

Measurement
arterial blood gases 89.65

Add subterm
blood gases
arterial 89.65

Add subterm
continuous intra-arterial 89.60
venous 89.66
systemic arterial
blood gases 89.65

Add subterm
continuous intra-arterial 89.60

Monitoring

Add subterm
continuous intra-arterial blood gas 89.60

Add term
Neuroablation
Add subterm
radiofrequency 04.2

Add term
NIPS (non-invasive programmed electrical stimulation) 37.26

Occlusion
artery

Add subterm
by endovascular approach - see Embolization, artery
vein

Add subterm
by endovascular approach - see Embolization, vein
Add term Portoenterostomy (Kasai) 51.37

Relocation – see also Revision
Add subterm CRT-D pocket 37.99
Add subterm CRT-P pocket 37.79

Removal – see also Excision
Add subterm anal sphincter
Add subterm with revision 49.75
Add subterm without revision 49.76

Revise subterm cardiac pacemaker (device) (initial) (permanent) (cardiac resynchronization device,CRT-P) 37.89
with replacement
Add subterm cardiac resynchronization pacemaker (CRT-P)
Add subterm device only 00.53
Add subterm total system 00.50

Revise subterm cardioverter/defibrillator pulse generator without replacement (cardiac resynchronization defibrillator device (CRT-D) 37.99

Repair
Add subterm anal sphincter 49.79
Add subterm artificial sphincter
Add subterm implantation 49.75
Add subterm revision 49.75
aneurysm (false) (true) 39.52
by or with
Add subterm coil (endovascular approach) 39.79
Add subterm head and neck 39.72
endovascular graft 39.79
Add subterm head and neck 39.72
Add subterm liquid tissue adhesive (glue) 39.79
Add subterm endovascular approach 39.79
Add subterm head and neck 39.72
methyl methacrylate 39.52
Add subterm endovascular approach 39.79
Add subterm head and neck 39.72
occlusion 39.52
Add subterm endovascular approach 39.79
Add subterm head and neck 39.72
arteriovenous fistula 39.53

22
by or with
Add subterm coil (endovascular approach) 39.79
Add subterm head and neck vessels 39.72
occlusion 39.53
Add subterm endovascular approach 39.79
Add subterm head and neck 39.72
artery NEC 39.59
by
Add subterm endovascular approach 39.79
Add subterm head and neck 39.72
blood vessel NEC 39.59
peripheral vessel NEC 39.59
Add subterm by endovascular approach 39.79
fistula - see also Closure,fistula
arteriovenous 39.53
coagulation 39.53
Add subterm endovascular approach 39.79
Add subterm head and neck 39.72
occlusion 39.53
Add subterm endovascular approach 39.79
Add subterm head and neck 39.72
vein NEC 39.59
by
Add subterm endovascular approach 39.79
Add subterm head and neck 39.72

Replacement
Add subterm cardiac resynchronization device
Add subterm defibrillator (CRT-D) (total system) 00.51
Add subterm left ventricular coronary venous lead only 00.52
Add subterm pulse generator only 00.54
Add subterm pacemaker (CRT-P) (total system) 00.50
Add subterm left ventricular coronary venous lead only 00.52
Add subterm pulse generator only 00.53
Add subterm CRT-D (cardiac resynchronization defibrillator) 00.51
Add subterm left ventricular coronary venous lead only 00.52
Add subterm pulse generator only 00.54
Add subterm CRT-P (cardiac resynchronization pacemaker) 00.50
Add subterm left ventricular coronary venous lead only 00.52
Add subterm pulse generator only 00.53

pacemaker

Add subterm resynchronization – see Replacement,CRT-P
electrode(s), cardiac (atrial) (transvenous) (ventricular) 37.76
Add subterm left ventricular coronary venous system 00.52

Stimulation (electronic) – see also Implant, electronic stimulator
Add subterm defibrillator
Add subterm non-invasive programmed electrical stimulation (NIPS) 37.26

Therapy
inhalation NEC 93.96
Add subterm nitric oxide 00.12
Add subterm leech 99.99
Add subterm maggot 86.28
Change code nitric oxide 93.98 00.12
respiratory NEC 93.99
Change code nitric oxide 93.98 00.12
Revise subterm ultrasound 93.35
Add subterm heat therapy 93.35
Add subterm physical therapy 93.35
Add subterm therapeutic - see Ultrasound

Ultrasonography
Add subterm therapeutic - see Ultrasound

Ultrasound
Add subterm therapeutic
Add subterm head 00.01
Add subterm heart 00.02
Add subterm neck 00.01
Add subterm other therapeutic ultrasound 00.09
Add subterm peripheral vascular vessels 00.03
Add subterm vessels of head and neck 00.01
New convention (sequencing instruction):
Code, if applicable, any causal condition first (A code with this note may be principal if no causal condition is applicable or known)
038  Septicemia

Add  Excludes: septicemia (sepsis) of newborn (771.81)

040  Other bacterial diseases

040.8  Other specified bacterial diseases

New code  040.82 Toxic shock syndrome

Use additional code to identify the organism

062  Mosquito-borne viral encephalitis

062.8  Other specified mosquito-borne viral encephalitis

Add  Excludes: West Nile virus (066.4)

066  Other arthropod-borne viral diseases

066.3  Other mosquito-borne fever

Fever (viral):

West Nile

Delete

New code  066.4  West Nile fever

West Nile encephalitis
West Nile encephalomyelitis
West Nile virus
256  Ovarian dysfunction

256.2  Postablative ovarian failure

Add  Use additional code for states associated with artificial menopause (627.4)

Delete  Excludes: artificial menopause NOS (627.4)

256.3  Other ovarian failure

Revise  Use additional code for states associated with artificial natural menopause (627.2)

277  Other and unspecified disorders of metabolism

277.0  Cystic fibrosis

Add  277.00 Without mention of meconium ileus

       Cystic fibrosis NOS

New code  277.02 With pulmonary manifestations

Add  Cystic fibrosis with pulmonary exacerbation

Add  Use additional code to identify any infectious organism present, such as:

       pseudomonas (041.7)

New code  277.03 With gastrointestinal manifestations

Add  Excludes: with meconium ileus (277.01)

New code  277.09 With other manifestations

277.7  Dysmetabolic syndrome X

Use additional code for associated manifestations, such as:

Revise  cardiovascular disease (414.00-414.06)
337 Disorders of the autonomic nervous system

337.3 Autonomic dysreflexia

Revise Use additional code to identify the underlying cause, such as:

357 Inflammatory and toxic neuropathy

357.8 Other

Delete Chronic inflammatory demyelinating polyneuritis

New code 357.81 Chronic inflammatory demyelinating polyneuritis

New code 357.82 Critical illness polyneuropathy
Add Acute motor neuropathy

New code 357.89 Other inflammatory and toxic neuropathy

359 Muscular dystrophies and other myopathies

359.8 Other myopathies

New code 359.81 Critical illness myopathy
Add Acute necrotizing myopathy
Add Acute quadriplegic myopathy
Add Intensive care (ICU) myopathy
Add Myopathy of critical illness

New code 359.89 Other myopathies

365 Glaucoma

365.8 Other specified forms of glaucoma

New code 365.83 Aqueous misdirection
Add Malignant glaucoma

368 Visual disturbances

368.6 Night blindness
Delete Hemeralopia
402 Hypertensive heart disease

Add Use additional code to specify type of heart failure (428.0, 428.20-428.23, 428.30-428.33, 428.40-428.43)

402.0 Malignant

Revise 402.00 Without congestive heart failure
Revise 402.01 With congestive heart failure

402.1 Benign

Revise 402.10 Without congestive heart failure
Revise 402.11 With congestive heart failure

402.9 Unspecified

Revise 402.90 Without congestive heart failure
Revise 402.91 With congestive heart failure

404 Hypertensive heart and renal disease

Add Use additional code to specify type of heart failure (428.0, 428.20-428.23, 428.30-428.33, 428.40-428.43)

The following fifth-digit subclassification is for use with category 404:

Revise 0 without mention of congestive heart failure or renal failure
Revise 1 with congestive heart failure
Revise 3 with congestive heart failure and renal failure
411 Other acute and subacute forms of ischemic heart disease

411.8 Other

411.81 Acute coronary occlusion without myocardial infarction

Revise Excludes: obstruction without infarction due to atherosclerosis (414.00-414.06)
occlusion without infarction due to atherosclerosis (414.00-414.06)

414 Other forms of chronic ischemic heart disease

414.0 Coronary atherosclerosis

New code 414.06 Of coronary artery of transplanted heart

Revise 414.1 Aneurysm and dissection of heart

Revise 414.10 Aneurysm of heart (wall)
Revise 414.11 Aneurysm of coronary vessels
New code 414.12 Dissection of coronary artery
Revise 414.19 Other aneurysm of heart

427 Cardiac dysrhythmias

427.89 Other

Add Excludes: neonatal bradycardia (779.81)
Add neonatal tachycardia (779.82)
428  Heart failure

Delete  Excludes:  that due to hypertension (402.0-402.9 with fifth digit 1)
Add    Code, if applicable, heart failure due to hypertension first (402.0-402.9, with fifth-digit 1 or 404.0-404.9 with fifth-digit 1 or 3)

Revise  428.0  Congestive heart failure, unspecified
Add    Excludes:  fluid overload NOS (276.6)

New sub-category  428.2  Systolic heart failure
Add    Excludes:  combined systolic and diastolic heart failure (428.40-428.43)

New code  428.20  Unspecified
New code  428.21  Acute
New code  428.22  Chronic
New code  428.23  Acute on chronic

New sub-category  428.3  Diastolic heart failure
Add    Excludes:  combined systolic and diastolic heart failure (428.40-428.43)

New code  428.30  Unspecified
New code  428.31  Acute
New code  428.32  Chronic
New code  428.33  Acute on chronic

New sub-category  428.4  Combined systolic and diastolic heart failure
New code  428.40  Unspecified
New code  428.41  Acute
New code  428.42  Chronic
New code  428.43  Acute on chronic

CEREBROVASCULAR DISEASE (430-438)

Add    Excludes:  iatrogenic cerebrovascular infarction or hemorrhage (997.02)
436   Acute, but ill-defined, cerebrovascular disease
Add   Excludes: postoperative cerebrovascular accident (997.02)

438   Late effects of cerebrovascular disease
New code 438.6 Alterations of sensations
Add   Use additional code to identify the altered sensation
New code 438.7 Disturbances of vision
Add   Use additional code to identify the visual disturbance

438.8 Other late effects of cerebrovascular disease
New code 438.83 Facial weakness
Add   Facial droop
New code 438.84 Ataxia
New code 438.85 Vertigo

440   Atherosclerosis
Add   Excludes: atheroembolism (445.01-445.89)

440.8 Of other specified arteries
Revise   Excludes: coronary (414.00-414.06)

441   Aortic aneurysm and dissection

441.0 Dissection of aorta
Delete   Dissecting aneurysm of aorta (ruptured)
443 Other peripheral vascular disease

New sub-category
Add Excludes: dissection of aorta (441.00-441.03)
Add dissection of coronary arteries (414.12)

New code 443.2 Other arterial dissection
Add Excludes: dissection of aorta (441.00-441.03)
Add dissection of coronary arteries (414.12)

New code 443.21 Dissection of carotid artery
New code 443.22 Dissection of iliac artery
New code 443.23 Dissection of renal artery
New code 443.24 Dissection of vertebral artery
New code 443.29 Dissection of other artery

444 Arterial embolism and thrombosis

Add Excludes: atheroembolism (445.01-445.89)

New category 445 Atheroembolism
Add Includes: Atherothrombotic microembolism

New sub-category 445.0 Of extremities
New code 445.01 Upper extremity
New code 445.02 Lower extremity

New sub-category 445.8 Of other sites
New code 445.81 Kidney

Use additional code for any associated kidney failure (584, 585)

New code 445.89 Other site
447 Other disorders of arteries and arterioles

447.6 Arteritis, unspecified

Excludes: arteritis, endarteritis
coronary (414.00-414.06)

454 Varicose veins of the lower extremities

New code 454.8 With other complications
Add Edema
Add Pain
Add Swelling

Revise 454.9 Without mention of ulcer or inflammation Asymptomatic varicose veins
Add Varicose veins NOS

459 Other disorders of circulatory system

459.1 Postphlebetic syndrome
Add Chronic venous hypertension due to deep vein thrombosis
Add Excludes: chronic venous hypertension without deep vein thrombosis
(459.30-459.39)

New code 459.10 Postphlebetic syndrome without complications
Add Asymptomatic postphlebetic syndrome
Add Postphlebetic syndrome NOS

New code 459.11 Postphlebetic syndrome with ulcer

New code 459.12 Postphlebetic syndrome with inflammation

New code 459.13 Postphlebetic syndrome with ulcer and inflammation

New code 459.19 Postphlebetic syndrome with other complication
New sub-category 459.3 Chronic venous hypertension (idiopathic)
Stasis edema

Add Excludes: chronic venous hypertension due to deep vein thrombosis (459.10-459.19)
varicose veins (454.0-454.9)

New code 459.30 Chronic venous hypertension without complications
Add Asymptomatic chronic venous hypertension
Add Chronic venous hypertension NOS

New code 459.31 Chronic venous hypertension with ulcer

New code 459.32 Chronic venous hypertension with inflammation

New code 459.33 Chronic venous hypertension with ulcer and inflammation

New code 459.39 Chronic venous hypertension with other complication

491 Chronic bronchitis

491.2 Obstructive chronic bronchitis
Bronchitis:
asthmatic, chronic

Delete 491.20 Without mention of acute exacerbation

Delete Chronic asthmatic bronchitis

491.21 With acute exacerbation

Delete Chronic asthmatic bronchitis with acute exacerbation

493 Asthma

493.2 Chronic obstructive asthma
Add Chronic asthmatic bronchitis

Delete Excludes: chronic asthmatic bronchitis (491.2)
518 Other diseases of lung

518.81 Acute respiratory failure

Revise Excludes: respiratory failure, newborn (770.84)

518.82 Other pulmonary insufficiency, not elsewhere classified

Excludes: respiratory distress:
newborn (770.89)

521 Diseases of hard tissues of teeth

521.0 Dental caries

Delete Caries (of):
• arrested
cementum
dentin (acute) (chronic)
enamel (acute) (chronic) (incipient)
Infantile melanodontia
Odontoelasia
White spot lesions of teeth

537 Other disorders of stomach and duodenum

537.8 Other specified disorders of stomach and duodenum

New code 537.84 Dieulafoy lesion (hemorrhagic) of stomach and duodenum

569 Other disorders of intestine

569.8 Other specified disorders of intestine

New code 569.86 Dieulafoy lesion (hemorrhagic) of intestine

577 Diseases of pancreas

577.8 Other specified diseases of pancreas

Revise Excludes: fibrocystic disease of pancreas (277.00-277.09)

590 Infections of kidney
590.0  Chronic pyelonephritis

Delete  Code first any associated vesicoureteral reflux (593.70-593.73)

Add  Code, if applicable, any causal condition first

593  Other disorders of kidney and ureter

593.7  Vesicoureteral reflux

Delete  Use additional code to identify:
    chronic pyelonephritis (590.00-590.01)
    renal agenesis (753.0)
    renal dysplasia (753.15)

599  Other disorders of urethra and urinary tract

599.0  Urinary tract infection, site not specified

Add  Excludes: urinary tract infection of newborn (771.82)
602 Other disorders of prostate

602.3 Dysplasia of prostate
Revise Prostatic intraepithelial neoplasia I (PIN I)
Revise Prostatic intraepithelial neoplasia II (PIN II)

Revise Excludes: prostatic intraepithelial neoplasia III (PIN III) (233.4)

622 Noninflammatory disorders of cervix

622.1 Dysplasia of cervix (uteri)
Add Cervical intraepithelial neoplasia I (CIN I)
Add Cervical intraepithelial neoplasia II (CIN II)
Add High grade squamous intraepithelial dysplasia (HGSIL)
Add Low grade squamous intraepithelial dysplasia (LGSIL)

627 Menopausal and postmenopausal disorders

Revise 627.2 Symptomatic menopausal or female climacteric states

Revise 627.4 Symptomatic states associated with artificial menopause

629 Other disorders of female genital organs

629.0 Hematocele, female, not elsewhere classified

Excludes: hematocele or hematoma:
Revise that associated with ectopic pregnancy (633.00-633.91)

633 Ectopic pregnancy

633.0 Abdominal pregnancy

New code 633.00 Abdominal pregnancy without intrauterine pregnancy

New code 633.01 Abdominal pregnancy with intrauterine pregnancy
633.1 Tubal pregnancy

New code    633.10 Tubal pregnancy without intrauterine pregnancy
New code    633.11 Tubal pregnancy with intrauterine pregnancy

633.2 Ovarian pregnancy

New code    633.20 Ovarian pregnancy without intrauterine pregnancy
New code    633.21 Ovarian pregnancy with intrauterine pregnancy

633.8 Other ectopic pregnancy

New code    633.80 Other ectopic pregnancy without intrauterine pregnancy
New code    633.81 Other ectopic pregnancy with intrauterine pregnancy

633.9 Unspecified ectopic pregnancy

New code    633.90 Unspecified ectopic pregnancy without intrauterine pregnancy
New code    633.91 Unspecified ectopic pregnancy with intrauterine pregnancy

646 Other complications of pregnancy, not elsewhere classified

646.6 Infections of genitourinary tract in pregnancy

Revise Conditions classifiable to (614.0-614.5, 614.7-614.9, 615)

674 Other and unspecified complications of the puerperium, not elsewhere classified

674.1 Disruption of cesarean wound

Add Excludes: uterine rupture before onset of labor (665.0)
Add uterine rupture during labor (665.1)
707 Chronic ulcer of skin

707.1 Ulcer of lower limbs, except decubitus

Revise Code, if applicable, any causal condition first:
Add Chronic venous hypertension with ulcer (459.31)
Add Chronic venous hypertension with ulcer and inflammation (459.33)
Add Postphlebetic syndrome with ulcer (459.11)
Add Postphlebetic syndrome with ulcer and inflammation (459.13)

710 Diffuse diseases of connective tissue

Delete Use additional code to identify manifestations, as:
  lung involvement (517.8)
  myopathy (359.6)

710.1 Systemic sclerosis

Add Use additional code to identify manifestations, as:
  lung involvement (517.8)
  myopathy (359.6)

718 Other derangement of joint

718.7 Developmental dislocation of joint

Delete Excludes: congenital dislocation of hip (754.30-754.35)
Add traumatic dislocation of hip (835.00-835.13)
Add congenital dislocation of joint (754.0-755.8)
Add traumatic dislocation of joint (830-839)

723 Other disorders of cervical region

723.5 Torticollis, unspecified

Add Excludes: ocular torticollis (781.93)

730 Osteomyelitis, periostitis, and other infections involving bone

730.1 Chronic osteomyelitis

Delete Necrosis (acute) of bone

733 Other disorders of bone and cartilage
733.4 Aseptic necrosis of bone
Delete Excludes: necrosis of bone NOS (730.1)

747 Other congenital anomalies of circulatory system
747.8 Other specified anomalies of circulatory system

New code 747.83 Persistent fetal circulation
Add Persistent pulmonary hypertension
Add Primary pulmonary hypertension of newborn

751 Other congenital anomalies of digestive system
751.7 Anomalies of pancreas

Revise Excludes: fibrocystic diseases of pancreas (277.00-277.09)

753 Congenital anomalies of urinary system
753.0 Renal agenesis and dysgenesis
Delete Code first any associated vesicoureteral reflux (593.70-593.73)

753.1 Cystic kidney disease

753.15 Renal dysplasia
Delete Code first any associated vesicoureteral reflux (593.70-593.73)

OTHER CONDITIONS ORIGINIATING IN THE PERINATAL PERIOD (764-779)

Revise The following fifth-digit subclassification is for use with category 764 and codes 765.0 and 765.1 to denote birthweight
Disorders relating to short gestation and unspecified low birthweight

765.0 Extreme immaturity
Note: Usually implies a birthweight of less than 1000 grams and/or a gestation of less than 28 completed weeks

Other preterm infants
Note: Usually implies a birthweight of 1000-2499 grams and/or a gestation of 28-37 completed weeks

Use additional code for weeks of gestation (765.20-765.29)

Weeks of gestation
Unspecified weeks of gestation
Less than 24 completed weeks of gestation
24 completed weeks of gestation
25-26 completed weeks of gestation
27-28 completed weeks of gestation
29-30 completed weeks of gestation
31-32 completed weeks of gestation
33-34 completed weeks of gestation
35-36 completed weeks of gestation
37 or more completed weeks of gestation

Other respiratory conditions of fetus and newborn

Other respiratory problems after birth
Apneic spells NOS originating in the perinatal period
Cyanotic attacks NOS originating in the perinatal period
Fetal acidosis affecting newborn
Fetal anoxia affecting newborn
Fetal asphyxia affecting newborn
Fetal hypoxia affecting newborn
Fetal hypoxia affecting newborn
Respiratory depression of newborn
Respiratory distress NOS originating in the perinatal period
Respiratory failure NOS originating in the perinatal period
New code 770.81 Primary apnea of newborn
Apneic spells of newborn NOS
Essential apnea of newborn
Sleep apnea of newborn

New code 770.82 Other apnea of newborn
Obstructive apnea of newborn

New code 770.83 Cyanotic attacks of newborn

New code 770.84 Respiratory failure of newborn

Add Excludes: respiratory distress syndrome (769)

New code 770.89 Other respiratory problems after birth

771 Infections specific to the perinatal period

771.8 Other infections specific to the perinatal period
Delete Intra-amniotic infection of fetus:
NOS
clostridial
Escherichia coli (E. coli)
Intrauterine sepsis of fetus
Neonatal urinary tract infection
Septicemia [sepsis] of newborn

Add Use additional code to identify organism

New code 771.81 Septicemia [sepsis] of newborn
New code 771.82 Urinary tract infection of newborn
New code 771.83 Bacteremia of newborn
New code 771.89 Other infections specific to the perinatal period
Intra-amniotic infection of fetus NOS
Infection of newborn NOS

774 Other perinatal jaundice

774.5 Perinatal jaundice from other causes

Code first underlying cause, as:

Revise Mucoviscidosis (277.00-277.09)
779 Other and ill-defined conditions originating in the perinatal period

779.8 Other specified conditions originating in the perinatal period

New code 779.81 Neonatal bradycardia

Add Excludes: abnormality in fetal heart rate or rhythm complicating labor and delivery (763.81-763.83)

bradycardia due to birth asphyxia (768.5-768.9)

New code 779.82 Neonatal tachycardia

Add Excludes: abnormality in fetal heart rate or rhythm complicating labor and delivery (763.81-763.83)

New code 779.89 Other specified conditions originating in the perinatal period

780 General symptoms

780.9 Other general symptoms

Delete Amnesia (retrograde)

Chill(s) NOS

Generalized pain

Hypothermia, not associated with low environmental temperature

New code 780.91 Fussy infant (baby)

New code 780.92 Excessive crying of infant (baby)

New code 780.99 Other general symptoms

Amnesia (retrograde)

Chill(s) NOS

Generalized pain

Hypothermia, not associated with low environmental temperature

781 Symptoms involving nervous and musculoskeletal systems

781.9 Other symptoms involving nervous and musculoskeletal systems

New code 781.93 Ocular torticollis

782 Symptoms involving skin and other integumentary tissue
782.5 Cyanosis

Revise Excludes: newborn (770.83)

785 Symptoms involving cardiovascular system

785.0 Tachycardia, unspecified

Add Excludes: neonatal tachycardia (779.82)

786 Symptoms involving respiratory system and other chest symptoms

786.0 Dyspnea and respiratory abnormalities

786.03 Apnea

Add Excludes: apnea of newborn (770.81, 770.82)

786.09 Other

Revise Excludes: respiratory distress newborn (770.89)

Revise respiratory failure newborn (770.84)
788   Symptoms involving urinary system

788.3  Incontinence of urine

Delete  Code first any underlying condition, such as:
Add    Code, if applicable, any causal condition first, such as:

790   Nonspecific findings on examination of blood

790.7  Bacteremia

Add    Excludes: bacteremia of newborn (771.83)

795   Nonspecific abnormal histologic and immunologic findings

795.0  Nonspecific abnormal Papanicolaou smear of cervix

Delete  Dyskaryotic cervical smear

Add    Excludes: Carcinoma in-situ of cervix (233.1)
            Cervical intraepithelial neoplasia I (CIN I) (622.1)
            Cervical intraepithelial neoplasia II (CIN II) (622.1)
            Cervical intraepithelial neoplasia III (CIN III) (233.1)
            Dysplasia of cervix (uteri) (622.1)
            High grade squamous intraepithelial dysplasia (HGSIL)
            (622.1)
            Low grade squamous intraepithelial dysplasia (LGSIL) (622.1)

New code    795.00 Nonspecific abnormal Papanicolaou smear of cervix,
             unspecified

New code    795.01 Atypical squamous cell changes of undetermined
             significance favor benign (ASCUS favor benign)
             Atypical glandular cell changes of undetermined
             significance favor benign (AGCUS favor benign)
New code 795.02 Atypical squamous cell changes of undetermined significance favor dysplasia (ASCUS favor dysplasia)
Atypical glandular cell changes of undetermined significance favor dysplasia (AGCUS favor dysplasia)

New code 795.09 Other nonspecific abnormal Papanicolaou smear of cervix
Benign cellular changes
Unsatisfactory smear

795.3 Nonspecific positive culture findings

New code 795.31 Nonspecific positive findings for anthrax
Add Positive findings by nasal swab

New code 795.39 Other nonspecific positive culture findings

799 Other ill-defined and unknown causes of morbidity and mortality

799.1 Respiratory arrest

Excludes: respiratory distress:
Revise newborn (770.89)

Revise respiratory failure:
Revise newborn (770.84)
FRACTURES (800-829)

The descriptions “closed” and “open” used in the fourth-digit subdivisions include the following terms:
  closed (with or without delayed healing):

Delete march

813 Fracture of radius and ulna
  813.4 Lower end, closed

New code 813.45 Torus fracture of radius

823 Fracture of tibia and fibula

New code 823.4 Torus fracture
959 Injury, other and unspecified

959.0 Head, face and neck

959.01 Head injury, unspecified

Add Excludes: head injury NOS with loss of consciousness (850.1-850.5)

991 Effects of reduced temperature

991.6 Hypothermia

Revise Excludes: hypothermia not associated with low environmental temperature (780.99)

995 Certain adverse effects not elsewhere classified

995.0 Other anaphylactic shock

Delete Code first any underlying condition, such as:

poisoning by drugs, medicinals and biological substances (960-979)
toxic effects of substances chiefly nonmedicinal as to source (980-989)

New sub-category 995.9 Systemic inflammatory response syndrome (SIRS)

New code 995.90 Systemic inflammatory response syndrome, unspecified

Add SIRS NOS

New code 995.91 Systemic inflammatory response syndrome due to infectious process without organ dysfunction

New code 995.92 Systemic inflammatory response syndrome due to infectious process with organ dysfunction

Add Severe sepsis

Add Use additional code to specify organ dysfunction, such as:

Add encephalopathy (348.3)

Add heart failure (428.0-428.9)

Add kidney failure (584.5-584.9, 585, 586)

New code 995.93 Systemic inflammatory response syndrome due to non-
infectious process without organ dysfunction

New code
995.94 Systemic inflammatory response syndrome due to non-infectious process with organ dysfunction

Add Use additional code to specify organ dysfunction, such as:
Add encephalopathy (348.3)
Add heart failure (428.0-428.9)
Add kidney failure (584.5-584.9, 585, 586)

996 Complications peculiar to certain specified procedures

996.7 Other complications of internal ...

996.72 Due to other cardiac device, implant, and graft

Revise Excludes: occlusion due to atherosclerosis (414.00-414.06)

998 Other complications of procedures, not elsewhere classified

998.3 Disruption of operation wound

New code 998.31 Disruption of internal operation wound

New code 998.32 Disruption of external operation wound

Disruption of operation wound NOS
SUPPLEMENTARY CLASSIFICATION OF FACTORS INFLUENCING HEALTH STATUS AND CONTACT WITH HEALTH SERVICES (V01-V83)

V01 Contact with or exposure to communicable diseases

V01.8 Other communicable diseases

New code V01.81 Anthrax

New code V01.89 Other communicable diseases

V13 Personal history of other diseases

V13.2 Other genital system and obstetric disorders

New code V13.21 Personal history of pre-term labor

Add Excludes: current pregnancy with history of pre-term labor (V23.41)

New code V13.29 Other genital system and obstetric disorders

V23 Supervision of high-risk pregnancy

V23.4 Pregnancy with other poor obstetric history

New code V23.41 Pregnancy with history of pre-term labor

New code V23.49 Pregnancy with other poor obstetric history

V46 Other dependence on machines

New code V46.2 Supplemental oxygen

Add Long-term oxygen therapy

V49 Other conditions influencing health status

V49.8 Other specified conditions influencing health status

Revise V49.81 Asymptomatic postmenopausal status (age-related)

(natural)
### V54 Other orthopedic aftercare

#### V54.0 Aftercare involving removal of...

**Revise**  
Excludes: removal of external fixation device (V54.89)

**New sub-category**

V54.1 Aftercare for healing traumatic fracture

<table>
<thead>
<tr>
<th>New code</th>
<th>Code Description</th>
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<td>Aftercare for healing traumatic fracture of arm, unspecified</td>
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<tr>
<td>V54.11</td>
<td>Aftercare for healing traumatic fracture of upper arm</td>
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<tr>
<td>V54.12</td>
<td>Aftercare for healing traumatic fracture of lower arm</td>
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<tr>
<td>V54.13</td>
<td>Aftercare for healing traumatic fracture of hip</td>
</tr>
<tr>
<td>V54.14</td>
<td>Aftercare for healing traumatic fracture of leg, unspecified</td>
</tr>
<tr>
<td>V54.15</td>
<td>Aftercare for healing traumatic fracture of upper leg</td>
</tr>
</tbody>
</table>

**Add**  
Excludes: aftercare for healing traumatic fracture of hip (V54.13)

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<thead>
<tr>
<th>New code</th>
<th>Code Description</th>
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<tbody>
<tr>
<td>V54.16</td>
<td>Aftercare for healing traumatic fracture of lower leg</td>
</tr>
<tr>
<td>V54.17</td>
<td>Aftercare for healing traumatic fracture of vertebrae</td>
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<td>V54.19</td>
<td>Aftercare for healing traumatic fracture of other bone</td>
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<tr>
<td>New sub-category</td>
<td>V54.2</td>
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<td>New code</td>
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</tbody>
</table>
V54.8 Other orthopedic aftercare

Delete

Change, checking, or removal of:

- Kirschner wire
- plaster cast
- splint, external
- other external fixation or traction device

New code V54.81 Aftercare following joint replacement

Add Use additional code to identify joint replacement site (V43.60-V43.69)

New code V54.89 Other orthopedic aftercare
Add Aftercare for healing fracture NOS

V58 Encounter for other and unspecified procedures and aftercare

V58.4 Other aftercare following surgery

Add Note: Codes from this subcategory should be used in conjunction with other aftercare codes to fully identify the reason for the aftercare encounter

New code V58.42 Aftercare following surgery for neoplasm
Add Conditions classifiable to 140-239

New code V58.43 Aftercare following surgery for injury and trauma
Add Conditions classifiable to 800-999

Add Excludes: aftercare for healing traumatic fracture (V54.10-V54.19)
New sub-category  V58.7  Aftercare following surgery to specified body systems, not elsewhere classified

Add  Note: Codes from this subcategory should be used in conjunction with other aftercare codes to fully identify the reason for the aftercare encounter

New code  V58.71 Aftercare following surgery of the sense organs, NEC
Add  Conditions classifiable to 360-379, 380-389

New code  V58.72 Aftercare following surgery of the nervous system, NEC
Add  Conditions classifiable to 320-359

Add  Excludes: aftercare following surgery of the sense organs, NEC (V58.71)

New code  V58.73 Aftercare following surgery of the circulatory system, NEC
Add  Conditions classifiable to 390-459

New code  V58.74 Aftercare following surgery of the respiratory system, NEC
Add  Conditions classifiable to 460-519

New code  V58.75 Aftercare following surgery of the teeth, oral cavity and digestive system, NEC
Add  Conditions classifiable to 520-579

New code  V58.76 Aftercare following surgery of the genitourinary system, NEC
Add  Conditions classifiable to 580-629

Add  Excludes: aftercare following sterilization reversal (V26.22)

New code  V58.77 Aftercare following surgery of the skin and subcutaneous tissue, NEC
Add  Conditions classifiable to 680-709

New code  V58.78 Aftercare following surgery of the musculoskeletal system, NEC
Add  Conditions classifiable to 710-739

V58  Encounter for other and unspecified procedures and aftercare

V58.8  Other specified procedures and aftercare
V58.83 Encounter for therapeutic drug monitoring

Add Use additional code for any associated long-term (current) drug use (V58.61-V58.69)

Revise PERSONS WITHOUT REPORTED DIAGNOSIS ENCOUNTERED DURING EXAMINATION AND INVESTIGATION OF INDIVIDUALS AND POPULATIONS (V70-V83)

V71 Observation and evaluation for suspected conditions not found

Revise V71.8 Observation and evaluation for other specified suspected conditions

New code V71.82 Observation and evaluation for suspected exposure to anthrax

New code V71.83 Observation and evaluation for suspected exposure to other biological agent

V83 Genetic carrier status

New sub-category V83.8 Other genetic carrier status

New code V83.81 Cystic fibrosis gene carrier

New code V83.89 Other genetic carrier status
E885 Fall on same level from slipping, tripping, or stumbling

New code E885.0 Fall from (nonmotorized) scooter

E922 Accident caused by firearm, and air gun missile

New code E922.5 Paintball gun

E955 Suicide and self-inflicted injury by firearms, air guns and explosives

New code E955.7 Paintball gun

Homicide and Injury Purposely Inflicted by Other Persons (E960-E969)

Excludes: injuries due to:

Add terrorism (E979)

TERRORISM (E979)

New code E979 Terrorism

category

Injuries resulting from the unlawful use of force or violence against persons or property to intimidate or coerce a Government, the civilian population, or any segment thereof, in furtherance of political or social objective

New code E979.0 Terrorism involving explosion of marine weapons

Depth-charge
Marine mine
mine NOS, at sea or in harbour
Sea-based artillery shell
Torpedo
Underwater blast

New code E979.1 Terrorism involving destruction of aircraft

Aircraft used as a weapon
Aircraft:
burned
exploded
shot down
Crushed by falling aircraft

New code  E979.2 Terrorism involving other explosions and fragments
           Antipersonnel bomb (fragments)
           Blast NOS
           Explosion (of):
              artillery shell
              breech-block
              cannon block
              mortar bomb
              munitions being used in terrorism
              NOS
           Fragments from:
              artillery shell
              bomb
              grenade
              guided missile
              land-mine
              rocket
              shell
              shrapnel
              Mine NOS

New code  E979.3 Terrorism involving fires, conflagration and hot substances
           Burning building or structure:
              collapse of
              fall from
              hit by falling object in
              jump from
           Conflagration NOS
           Fire (causing):
              Asphyxia
              Burns
              NOS
              Other injury
           Melting of fittings and furniture in burning
           Petrol bomb
           Smouldering building or structure
New code E979.4 Terrorism involving firearms
Bullet:
carbine
machine gun
pistol
rifle
rubber (rifle)
Pellets (shotgun)

New code E979.5 Terrorism involving nuclear weapons
Blast effects
Exposure to ionizing radiation from nuclear weapon
Fireball effects
Heat from nuclear weapon
Other direct and secondary effects of nuclear weapons

New code E979.6 Terrorism involving biological weapons
Anthrax
Cholera
Smallpox

New code E979.7 Terrorism involving chemical weapons
Gases, fumes, chemicals
Hydrogen cyanide
Phosgene
Sarin

New code E979.8 Terrorism involving other means
Drowning and submersion
Lasers
Piercing or stabbing instruments
Terrorism NOS

New code E979.9 Terrorism, secondary effects
Note: This code is for use to identify conditions occurring subsequent to a terrorist attack not those that are due to the initial terrorist act

Add Excludes: late effect of terrorist attack (E999.1)
E985 Injury by firearms, air guns, and explosives, undetermined whether accidentally or purposely inflicted

New code E985.7 Paintball gun

Revise E999 Late effect of injury due to war operations and terrorism

Revise Note: This category is to be used to indicate circumstances classifiable to E979, E990-E998 as the cause of death or disability from late effects, which are themselves classifiable elsewhere. The "late effects" include conditions reported as such or as sequelae which may occur at any time after injury resulting from operations of war or terrorism.

New code E999.0 Late effect of injury due to war operations

New code E999.1 Late effect of injury due to terrorism
Abnormal, abnormality, abnormalities - see also Anomaly

Papanicolaou (smear)

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"Closed" includes the following descriptions of fractures, with or without delayed healing, unless they are specified as open or compound:

- comminuted
- depressed
- elevated
- fissured
- greenstick
- impacted
- linear
- **march**
- simple
- slipped epiphysis
- spiral
- unspecified

"Open" includes the following descriptions of fractures, with or without delayed healing:

- compound
- infected
- missile
- puncture
- with foreign body

For late effect of fracture, see Late, effect, fracture, by site.

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